

APPARATUS AND METHOD FOR CAPTURING AN
EVENT OR COMBINATION OF EVENTS RESULTING
IN A TRIGGER SIGNAL IN A TARGET PROCESSOR

Abstract of the Invention

1 In a target processor, trigger signals that result in
2 changes in the program execution must be identified and
3 communicated to a host processing unit. The trigger
4 signals are generated in response to preselected event
5 signals. The event signals are generated by event signal
6 generation units responsive to specified target processor
7 conditions. Upon generation of a trigger signal, the event
8 signals resulting in the generation of the trigger signal
9 are stored in related locations in a storage unit. The
10 contents of the storage unit can be transferred to the host
11 processing unit for analysis. A related program counter
12 address can also be transferred to the host processing
13 unit.